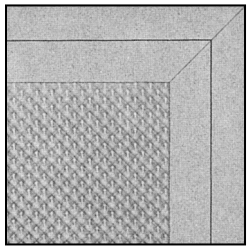
2'x2' SURFACE BOX FLUORESCENT, PREMIUM SPECIFICATION GRADE LENSED
2, 3 OR 4 LAMP, T8, TT5, OR T12

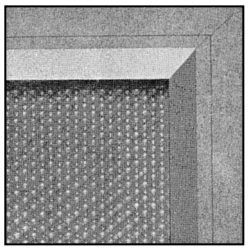
Features

- Only 5-1/2" deep.
- Efficiency 57.3% (2U lamp T8).
- 1.4 spacing mounting ratio (2 lamp T8).
- 20 gauge steel body.
- 45° mitered corners (body and door frame).
- Side mounted ballast for cooler operation.
- Fully enclosed wiring.
- Available in three lens frame styles.
- Door jamb with positive light stop.
- Spring-loaded latches.
- Reversible door frame hinge.
- Available with floating or full size doors.
- Matches Prismalyte (PRA/PRS) recessed.
- Frames interchangeable with Deepcel (DPB).
- Meets NYC Code requirements.

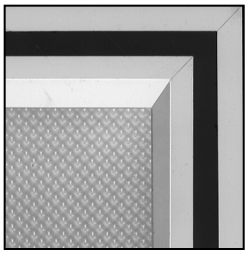
FEATURES



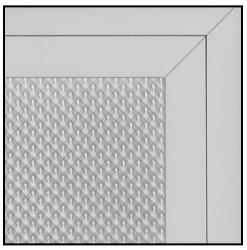
(FA) flat full-size aluminum frame.



(RA) regressed full-size aluminum frame.

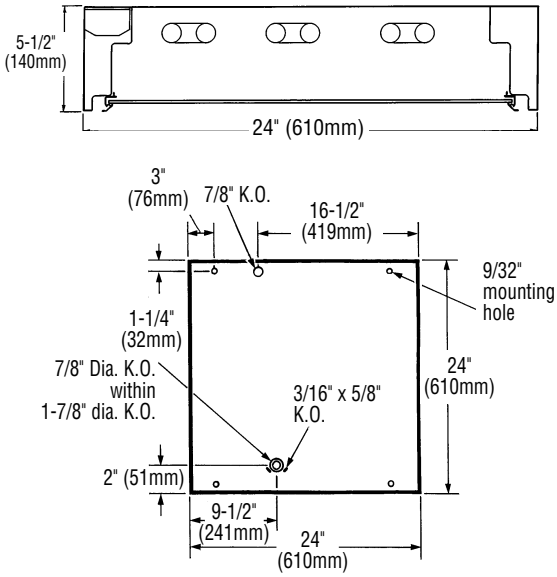


(RF) 1/2" regressed floating aluminum frame.

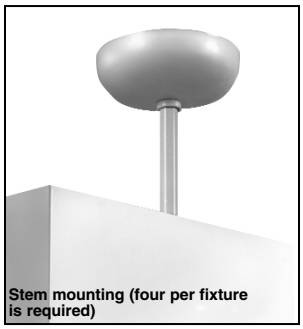


(FS) flat full-size steel frame.

DIMENSIONS



MOUNTING METHOD



Stem mounting (four per fixture is required)

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Volts/Ballast:	

Lightolier a Genlyte Thomas Company www.lightolier.com
Technical Information: (978) 657-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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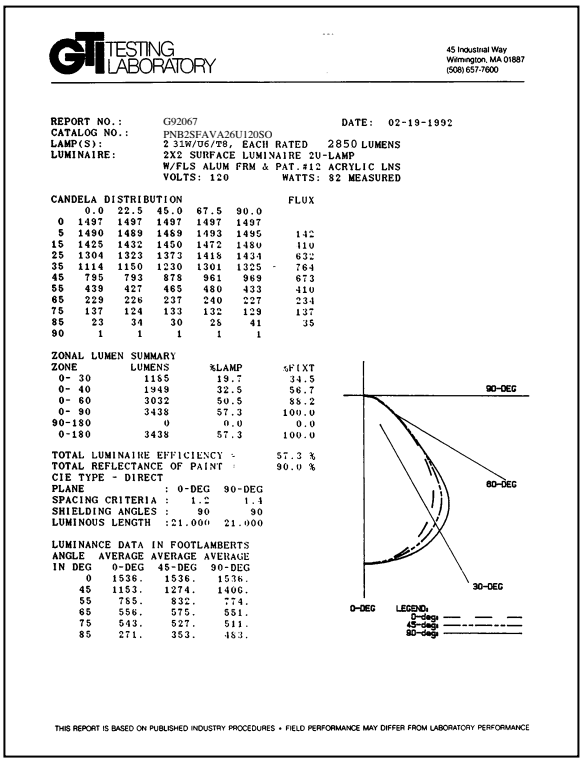
LIGHTOLIER®

2'x2' SURFACE BOX FLUORESCENT, PREMIUM SPECIFICATION GRADE LENSED
2, 3 OR 4 LAMP, T8, TT5, OR T12

PHOTOMETRY



GTL TESTING LABORATORY
45 Industrial Way
Wilmington, MA 01887
(508) 657-7600

REPORT NO.: G92067 DATE: 02-19-1992
CATALOG NO.: PNB2SFAVA26U120SO
LAMP(S): 2 31W/06/T8, EACH RATED 2850 LUMENS
LUMINAIRE: 2X2 SURFACE LUMINAIRE 2U-LAMP W/FLS ALUM FRM & PAT.#12 ACRYLIC LNS
VOLTS: 120 WATTS: 82 MEASURED

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1497	1497	1497	1497	1497	
5	1490	1489	1489	1493	1495	142
15	1425	1432	1450	1472	1480	110
25	1304	1323	1373	1418	1434	632
35	1114	1150	1230	1301	1325	764
45	795	793	878	961	969	673
55	439	427	465	480	433	410
65	229	226	237	240	227	234
75	137	124	133	132	129	137
85	23	34	30	26	41	35
90	1	1	1	1	1	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	1155	19.7	34.5
0- 40	1949	32.5	58.7
0- 60	3032	50.5	88.2
0- 90	3438	57.3	100.0
90-180	0	0.0	0.0
0-180	3438	57.3	100.0

TOTAL LUMINAIRE EFFICIENCY = 57.3 %
TOTAL REFLECTANCE OF PAINT = 90.0 %
CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.2	1.4
SHIELDING ANGLES	: 90	90
LUMINOUS LENGTH	:21.000	21.000

LUMINANCE DATA IN FOOTLAMBERTS

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	1536.	1536.	1536.
45	1153.	1274.	1406.
55	765.	832.	774.
65	556.	575.	551.
75	543.	527.	511.
85	271.	353.	483.

THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES • FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

MODEL NO. PNB2SFAVA26U120SO

coefficients of utilization — zonal cavity method

RF		20			20			20		
RC		80			50			30		
RW	70	50	30	50	30	10	50	30	10	
room cavity ratio 1	64	61	59	58	56	55	56	54	53	
2	59	55	52	52	50	48	50	48	46	
3	55	50	46	47	44	42	46	43	41	
4	51	45	40	43	39	36	41	38	36	
5	47	40	36	38	35	32	37	34	32	
6	43	36	32	35	31	28	34	31	28	
7	40	33	28	32	28	25	31	27	25	
8	37	30	25	29	25	22	28	24	22	
9	34	27	22	26	22	19	25	22	19	
10	32	24	20	23	20	17	23	19	17	

visual comfort probability

room size			ceiling height					ceiling height			
W	L		8.5	10.0	13.0	16.0		8.5	10.0	13.0	16.0
20	20	luminaries lengthwise	67	71	77	82	luminaries crosswise	66	69	75	78
20	30		61	64	70	74		60	63	68	71
20	40		59	61	65	68		57	59	63	66
20	60		58	60	61	63		55	57	59	62
30	20		67	72	77	80		67	71	75	78
30	30		61	64	69	72		61	63	67	70
30	40		58	60	63	66		57	59	62	64
30	60		57	58	59	61		55	56	57	60
30	80		57	58	57	59		55	55	55	57
40	20		69	73	77	80		68	72	76	78
40	30		62	65	69	72		62	64	67	70
40	40		58	60	63	66		58	60	62	64
40	60		57	58	58	60		56	57	57	59
40	80		57	57	56	58		55	56	55	56
40	100		59	58	56	57		56	56	54	55
60	30		63	66	69	72		63	65	68	71
60	40		60	61	63	66		60	61	62	64
60	60		58	58	57	60		57	57	57	59
60	80		58	57	55	57		56	56	54	56
60	100		59	57	55	56		57	56	53	54
100	40		63	64	65	68		63	64	64	67
100	60		61	61	59	61		61	60	59	61
100	80		61	59	56	58		60	59	56	57
100	100		61	59	55	56		60	58	55	55

ORDERING INFORMATION **Explanation of Catalog Number. Example: PNB2SFAVA26U120SOGLR**

PN	B	2	S							

PRISMALYTE : Lens Frame Surface Fluorescent

BODY STYLE: Surface Box

FIXTURE WIDTH

CEILING TYPE: **S**=Surface

LENS FRAME:
FA= Flush full-size aluminum frame
FS=Flush full-size steel frame
RA=Regressed full-size aluminum frame
RF*=1/2" regressed floating aluminum frame

LENS/ SHIELDING TYPE:
VA=Virgin acrylic (standard) See specifications and consult factory

LAMP QUANTITY: (By Others)
2=2 Lamp
3=3 Lamp
4=4 Lamp (T8, 2' Lamp Only)

LAMP/ FIXTURE LENGTH:
6U= 6"U Lamp T8 or T12
2U= T8, 1-5/8" U Lamp
FT = Twin Tube T5
17 = T8, 2' Lamp (Nominal 24")

Other dimming options. Consult factory.

VOLTAGE: 120 or 277

BALLAST TYPE:

	LE <20THD	LE <10THD
1 & 2 Lamp Mag. T12		
1-2 Lamp Mag.		
1 & 2 Lamp Elec	**SO***	**HI***
1-2 Lamp Elec. T8	**SO***	**HI***
1-2 Lamp Elec. TT5 (40 Watt)	**SB***	**IB***
1-3 Lamp Elec. T8	**O3***	**H3***
1-3 Lamp Elec. TT5	**X3***	**I3***
1-4 Lamp Elec. T8	**O4***	**H4***
LOL Dimming T8	**PS**	–
LOL Dimming TT5	**PB**	–

*Instant Start Standard

OPTIONS: Add appropriate suffix to catalog no., ie: (GLR)

*With 7/16" black reveal four sides.

OPTIONS & ACCESSORIES

FUSING: Internal fast-blow fusing.
SUFFIX: **GLR**.
Internal slow-blow fusing.
SUFFIX: **GMF**.

RADIO INTERFERENCE FILTER 120 or 277 volt, 50 or 60 Hz. One per fixture is standard. SUFFIX: **RF**.

ELECTRICAL/WIRING OPTIONS Consult factory.

STEM AND CANOPY SETS: Suspends fixture 6", 12", 18" or 24" from surface. (Four per fixture is required.) **Catalog Number: ASC6 CSP** (6"), **ASC12 CSP** (12"), **ASC18 CSP** (18"), **ASC24 CSP** (24").

SPECIFICATIONS

PERFORMANCE: In an installation of 2 lamp 31W luminaires in a room cavity ratio of 1, reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .61. To prevent glare the VCP shall not be less than 57 either lengthwise or crosswise (at 100 fc level) and the average brightness at 65° shall not exceed 575 footlamberts. To control veiling reflections, luminaire output in the 30° - 90° zone shall be not less than 65.5%.

SPECIFICATIONS (continued)

MATERIALS: Chassis parts are die-formed 20 gauge cold rolled steel, stud-welded for rigidity. **Lens Frame**—(**FA**) flush full-size aluminum frame, (**FS**) flush full-size steel frame, (**RA**) regressed full-size aluminum frame, (**RF**) 1/2" regressed floating aluminum frame with 7/16" black reveal, four sides.

FINISH: Chassis exterior—white baked acrylic enamel. **Cavity**—white baked acrylic enamel minimum reflectance 86%. Phosphate undercoating.

Lens—extruded virgin acrylic, 3/16" square based female cones, running 45° to the panel edge, .095" nominal thickness (similar to pattern 12).

ELECTRICAL: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

LABELS: I.B.E.W./UL and C-UL.

Job Information **Type:**

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